

Axis cameras monitor North Bohemian water pipelines.

North Bohemian Water Pipelines and Sewage Systems invests in Axis cameras for plant and strategic material surveillance.



Organization:
North Bohemian Water
Pipelines and Sewage
Systems

Location:
Czech Republic

Industry segment:
Critical infrastructure

Application:
Safety and security

Axis partner:
Mateotech s.r.o.

Mission

The original purpose of the camera system was to provide perimeter protection of the plant boundaries and provide an overview of plant operations. Its foremost target was to ensure exhaustive visual protection against unauthorized personnel and to provide the possibility to unambiguously identify a breach of its boundaries by animals.

Solution

The solution was implemented by Mateotech s.r.o. which had to cope with many technology challenges. The task was both to provide protection of the infrared site boundaries, reliably and without false alarms, and to get a visual overview of the entire premises, good enough to serve as possible evidential proof. For this reason, the MTS (material and technology supply) warehouse required a special focus and it was decided to use top products on the market, Axis HD network cameras.

Result

First, Axis security cameras were installed on the premises of the plant itself in Ústí nad Labem where they proved to be so useful that they now make strategic water tanks with drinking water secure. Cameras within the plant premises help to protect both the site boundaries against intruders and personnel movement around the area. It showed to be a very prudent solution, especially for the MTS warehouse, where expensive material and technology are stored in the open space. 23 Axis network cameras were installed within the plant premises and helped to virtually eliminate material and other thefts and to prevent accidents in the complicated area.

“We have been installing Axis cameras for several years because of their functioning reliability, giving high quality videos and whole network surveillance system is scalable and can be enlarged based on the current customer needs.”

Zdeněk Pošík, executive director of Mateotech.

Flexible, open solution meets growing needs

To ensure critical plant operation and provide a really effective way to fight loss prevention as well as traffic and work accidents, top-of-the-range Axis cameras were exclusively installed within the plant premises. Twelve AXIS P1355-E, ten AXIS P1357-E Network Cameras and one discreet AXIS P3364-VE with Light-finder were installed within the plant premises. The last above mentioned camera was installed to overlook the platforms of the trucks that enter or leave the plant. Earlier, this situation couldn't be handled due to the high amount of employees, third-party vehicles moving around and the complexity of the area. The rest of the cameras provide full visual security and perimeter security. Now, since the cameras have been installed, no incorrect parking occurs and employees who move around the area are much safer as well.

Sophisticated cameras enabled the company to save money spent on guards

The new camera system based on IP cameras was installed during upgrade of the obsolete analogue video surveillance system that had been used before. The difference between the two systems displaying capabilities was significant to the degree that, subsequently, it gave rise to a series of changes and decisions.

“It was as if you put on new glasses. The image that was formerly blurred suddenly became clear and we could process it,” Čestmír Jakubec, head dispatcher of North Bohemian Water Pipelines and Sewage Systems explains.

Thanks to the cameras, not only could material, technology and employees security be enhanced but also human resources could be saved. The cameras providing surveillance of the area boundaries, together with alarms in the buildings, enabled complete elimination of expensive night security guards. Another significant benefit the cameras provide is the possibility to use high-quality resolution and good interpretation of the image during poor lighting condition to solve disputes (e.g. a scraped car, incorrect parking) and as evidential proof.

Cameras provide strategic material

Axis cameras were installed both within the plant premises themselves and in each water tank and, this way, they provide active protection of such a fundamental staple that drinking water surely is. The implementing company had to solve problems like image stabilization in the environment featuring many vibrations and adverse weather conditions or necessary privacy protection of the neighbouring site owners. In both cases, the technology Axis cameras provide by default proved to be very successful. In the first case, it is primarily the Electronic Image Stabilization feature that enhances the video quality when the camera suffers from vibrations. On the other hand, the private masking feature provides privacy for individuals and ensures outer area masking.

